

AMENDMENTS TO THE SPECIFICATION

Please replace paragraph number **[0010]**, with the following:

[0010] Figure 1 is a block diagram of the system in accordance with an embodiment of the present invention.

Please replace paragraph **[0011]** with the following:

[0011] Reference will now be made in detail to the preferred embodiments of the present invention, examples of which may be illustrated in the accompanying drawings drawing, Fig. 1.

Please replace paragraph **[0013]** with the following:

[0013] The present invention **100** is comprised of a multitude of components, software applications, and subsystems including at least the: (1) Orbiter-in-a-Box Tool **102**, (2) Command and Data Tool **104**, (3) Project Missions Operations Tool **106**, and (4) General Purpose Computer Emulator Platform **108**. The present invention comprises a system which allows users to simulate and/or emulate a payload's interaction with a craft, such as an evolved extended launch vehicle or the Space Shuttle, including the crafts on-board computers enabling the user to perform developmental activities on the payload hardware and associated software even without access to the launch agency' computer systems. The system as a whole, subsystems, and components each have unique and novel features and functions which at least allow a user to test, analyze, and develop: (i) any interface between the payload **110** and the craft's computers; (ii) any command, serial communications, and telemetry interface; (iii) any Cargo PC application software against the General Purpose Computer Payload Command Filter ("GPCF") which enables the user to verify commands, fault annunciations, and telemetry; and (iv) the performance or interaction of a payload against emulated and/or simulated craft avionics components.